



Tropical Storm IRMA QuickLook Posted: 18:00 EDT 09/11/2017

NOAA and NOAA Partnership Stations Relative to the Storm 09/13/17 2 PM 09/13/17 2 AM 09/12/17 2 PM Springmaid Pier, SC Oyster Landing, SC 09/12/172AN Charleston, SC Fort Pulaski, GA 09/11/17 5 PM Fernandina Beach, Mayport, FL Panama City Beach, FL Southbank Riverwalk Apalachicola, FL Racy Point, FL Cedar Key, FL Trident Pier, FL Clearwater Beach, FL Mckay Bay Entrance, FL Old Port Tampa, FL St. Petersburg, FL Port Manatee, FL Active Stations Fort Myers, FL Extent TS Force Winds Naples, FL

#### Storm Analysis

As of 09/11/2017 18:00 EDT, water levels along the Gulf Coast of Florida from Naples to Cedar Key and within Tampa Bay are running 0.5 to 4.5 feet above tidal predictions following the passage of the center of Irma.

Water levels at Apalachicola and Panama City Beach are still running 1-2 feet below tidal predictions. However, those water levels are expected to rise a bit this afternoon.

On the east coast from Trident Pier, FL northward (including the St. Johns River) up to Myrtle Beach, water levels are running anywhere from 0.5 to 4.7 feet above tidal predictions at this time.

Winds have weakened gradually across central and southern Florida this morning. The strongest wind gusts, still reaching 40 knots are observed along the northeast coast of Florida and along the Georgia coastline in the last few hours. Barometric pressure continues to fall across northern Florida and Georgia and has risen in central Florida behind the storm.

Water Level and Meteorological plots available below are updated automatically. A line denoting <u>Mean Higher High Water</u> (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the <u>Center for Operational Oceanographic Products & Services</u> website. For more information or archived products and reports, please see the <u>Storm QuickLook</u> Homepage.

Analyst: ADM

## SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Tropical Storm Irma Advisory Number 51 NWS National Hurricane Center Miami FL 500 PM EDT Mon Sep 11 2017

...IRMA CONTINUES TO SLOWLY WEAKEN WHILE MOVING OVER SOUTHWESTERN GEORGIA...

#### WATCHES AND WARNINGS

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## CHANGES WITH THIS ADVISORY:

The Storm Surge Warnings from Fernandina Beach southward, from the Aucilla River westward, and from Clearwater Beach southward, including Tampa Bay, have been discontinued.

The Tropical Storm Warning from the Flagler/Volusia County line to Altamaha Sound is discontinued.

The Tropical Storm Warning from north of the Suwannee River to the Okaloosa/Walton County line is discontinued.

#### SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

- \* North of Fernandina Beach to the South Santee River
- \* North of Clearwater Beach to the Aucilla River

A Tropical Storm Warning is in effect for...

\* North of Altamaha Sound to the South Santee River

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 36 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov. This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other

instructions from local officials.

Interests elsewhere in the southeastern United States should monitor the progress of Irma.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

#### **DISCUSSION AND 48-HOUR OUTLOOK**

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At 500 PM EDT, the center of Tropical Storm Irma was located ABOUT 10 MI E OF ALBANY GEORGIA and ABOUT 150 MI S OF ATLANTA GEORGIA. Irma is moving toward the north-northwest near 17 mph, and a turn toward the northwest is expected by Tuesday morning. On the forecast track, the center of Irma will continue to move over southwestern Georgia tonight and move into Alabama on Tuesday.

Maximum sustained winds have decreased to near 50 mph with higher gusts. Continued weakening is forecast, and Irma is likely to become a tropical depression on Tuesday.

Tropical-storm-force winds extend outward up to 415 miles from the center.

The estimated minimum central pressure is 985 mb.

#### HAZARDS AFFECTING LAND

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STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following HEIGHTS ABOVE GROUND if the peak surge occurs at the time of high tide...

North of Clearwater Beach to Aucilla River...4 t 6 ft West of Aucilla River to Ochlockonee River...1 to 3 ft Clearwater Beach to Bonita Beach including Tampa Bay...1 to 3 ft

South Santee River to North of Fernandina Beach...4 to 6 ft Fernandina Beach to Flagler/Volusia County line, including the St. Johns River...1 to 3 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

WIND: Tropical storm conditions are expected in portions of the warning area into tonight.

Rainfall: Irma is expected to produce the following rain accumulations through Wednesday:

South Carolina and north-central Georgia and Alabama into the southern Appalachians...3 to 6 inches with isolated 10 inches.

Northern Mississippi and southern portions of Tennessee and North Carolina...2 to 4 inches.

TORNADOES: Isolated tornadoes are possible tonight along the South Carolina coast.

SURF: Swells generated by Irma are affecting the southeast coast of the United States. These swells are likely to cause life- threatening surf and rip current conditions. Please consult products from your local weather office.

#### **NEXT ADVISORY**

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Next intermediate advisory at 800 PM EDT. Next complete advisory at 1100 PM EDT.

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Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: Panama City Beach - Water Level, Panama City Beach - Winds, Panama City Beach - Barometric,

Apalachicola - Water Level, Apalachicola - Winds, Apalachicola - Barometric, Cedar Key - Water Level, Cedar Key

- Winds, Cedar Key - Barometric, Clearwater Beach - Water Level, Clearwater Beach - Winds, Clearwater Beach - Barometric, Mckay Bay Entrance - Water Level, Old Port Tampa - Water Level, Old Port Tampa - Winds, St

Petersburg, Tampa Bay - Water Level, St Petersburg, Tampa Bay - Winds, St Petersburg, Tampa Bay - Barometric,

Port Manatee - Water Level, Port Manatee - Barometric, Fort Myers, Caloosahatchee River - Water Level, Fort

Myers, Caloosahatchee River - Winds, Fort Myers, Caloosahatchee River - Barometric, Naples, Gulf of Mexico 
Water Level, Naples, Gulf of Mexico - Winds, Naples, Gulf of Mexico - Barometric, Trident Pier, Port Canaveral 
Water Level, Trident Pier, Port Canaveral - Winds, Trident Pier, Port Canaveral - Barometric, Racy Point, St Johns

River - Water Level, Southbank Riverwalk, St Johns River - Water Level, Mayport (Bar Pilots Dock) - Water Level,

Mayport (Bar Pilots Dock) - Winds, Mayport (Bar Pilots Dock) - Barometric, Fernandina Beach - Water Level,

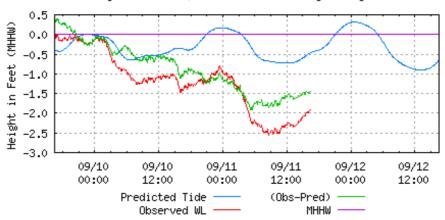
Fernandina Beach - Winds, Fernandina Beach - Barometric, Fort Pulaski - Water Level, Fort Pulaski - Winds, Fort

Pulaski - Barometric, Charleston, Cooper River Entrance - Water Level, Charleston, Cooper River Entrance - Winds,

Charleston, Cooper River Entrance - Barometric, Oyster Landing (N Inlet Estuary) - Water Level, Springmaid Pier 
Water Level

# NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)

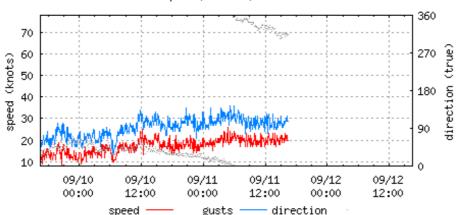


Last Observed Sample: 09/11/2017 16:30 (CDT). Data relative to MHHW Observed: -1.83 ft. Predicted: -0.46 ft. Residual: -1.37 ft. Historical Maximum Water Level: Oct 4 1995, 6.84 ft.

Next High Tide: 09/12/2017 00:43 (CDT), 0.32 ft.

# NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Wind Speed / Gusts / Direction

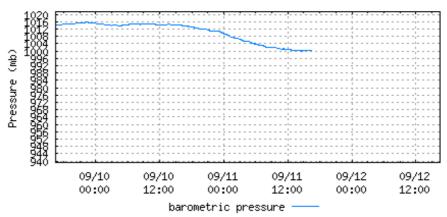


Last Observed Sample: 09/11/2017 16:30 (CDT)

Wind Speed: 21 knots Gusts: 30 knots Direction: 317° T

## NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

## Barometric Pressure

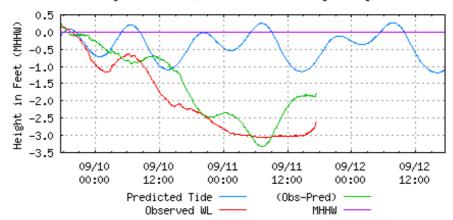


Last Observed Sample: 09/11/2017 16:30 (CDT)

Barometric Pressure: 1000.2 mb

## NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: -2.62 ft. Predicted: -0.83 ft. Residual: -1.79 ft. Historical Maximum Water Level: Jul 10 2005, 6.43 ft. Next High Tide: 09/11/2017 21:39 (EDT), -0.11 ft.

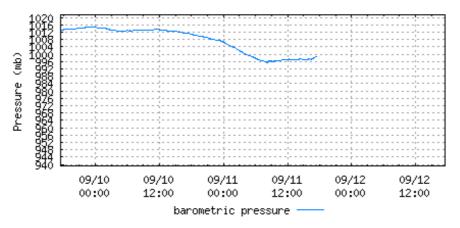
# NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

Wind Speed / Gusts / Direction 360 70 270 direction (true) 60 speed (knots) 50 180 40 30 90 20 10 09/11 09/12 09/12 09/10 09/10 00:00 00:00 12:00 12:00 12:00 00:00 speed gusts --direction

Last Observed Sample: 09/11/2017 17:24 (EDT) Wind Speed: 11 knots Gusts: 21 knots Direction: 335° T

# NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

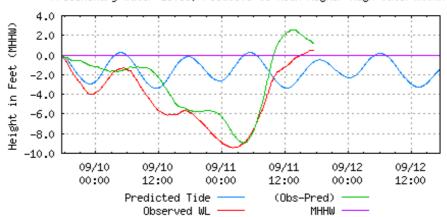
#### Barometric Pressure



Last Observed Sample: 09/11/2017 17:24 (EDT)
Barometric Pressure: 998.8 mb

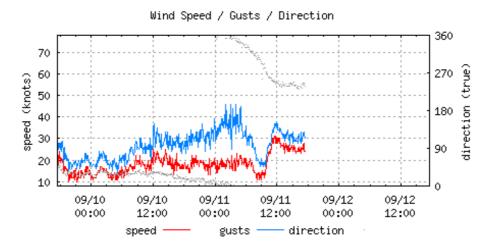
## NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: 0.55 ft. Predicted: -0.69 ft. Residual: 1.24 ft. Historical Maximum Water Level: Sep 2 2016, 5.98 ft. Next High Tide: 09/11/2017 18:36 (EDT), -0.50 ft.

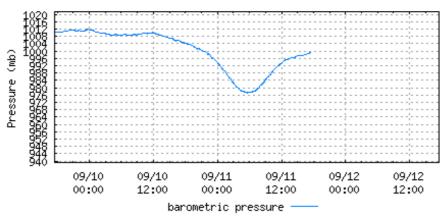
# NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 25 knots Gusts: 30 knots Direction: 237° T

## NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

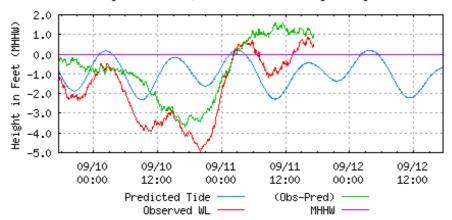
## Barometric Pressure



Last Observed Sample: 09/11/2017 17:30 (EDT)
Barometric Pressure: 999.1 mb

## NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: 0.47 ft. Predicted: -0.52 ft. Residual: 0.99 ft. Historical Maximum Water Level: Mar 13 1993, 4.00 ft. Next High Tide: 09/12/2017 03:43 (EDT), 0.19 ft.

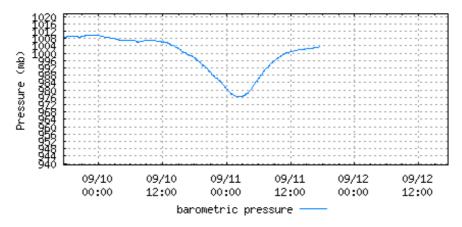
# NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Wind Speed / Gusts / Direction 360 70 270 direction (true) 60 speed (knots) 50 180 40 30 90 20 10 09/11 09/12 09/12 09/10 09/11 00:00 00:00 12:00 12:00 12:00 00:00 speed gusts -- direction

Last Observed Sample: 09/11/2017 17:24 (EDT) Wind Speed: 22 knots Gusts: 28 knots Direction: 257° T

# NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

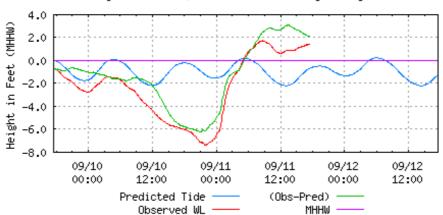
#### Barometric Pressure



Last Observed Sample: 09/11/2017 17:24 (EDT)
Barometric Pressure: 1003.5 mb

#### NOAA/NOS/CO-OPS 8726667 Mckay Bay Entrance, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: 1.40 ft. Predicted: -0.70 ft. Residual: 2.10 ft. Historical Maximum Water Level: Oct 8 1996, 4.32 ft. Next High Tide: 09/11/2017 19:21 (EDT), -0.48 ft.

#### NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW) 3.0 Height in Feet (MHHW) 2.0 1.0 0.0 -1.0 -2.0 -3.0 -4.0 -5.0 -6.0 09/10 09/10 09/11 09/11 09/12 09/12 00:00 12:00 00:00 12:00 00:00 12:00

Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: 1.17 ft. Predicted: -0.78 ft. Residual: 1.95 ft. Historical Maximum Water Level: Oct 8 1996, 3.60 ft. Next High Tide: 09/11/2017 19:57 (EDT), -0.32 ft.

(Obs-Pred) MHHW

Predicted Tide

Observed WL

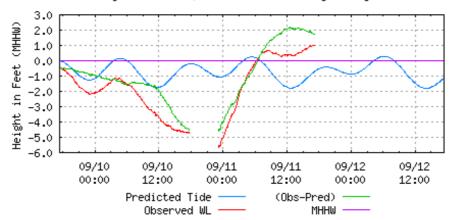
# NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

Wind Speed / Gusts / Direction 360 70 direction (true) 270 60 speed (knots) 50 180 40 30 90 20 10 09/10 09/10 09/11 09/11 09/12 09/12 00:00 12:00 00:00 00:00 12:00 12:00 speed gusts -- direction

Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 16 knots Gusts: 20 knots Direction: 269° T

## NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:18 (EDT). Data relative to MHHW Observed: 1.05 ft. Predicted: -0.66 ft. Residual: 1.71 ft. Historical Maximum Water Level: Aug 31 1985, 4.00 ft. Next High Tide: 09/11/2017 19:20 (EDT), -0.41 ft.

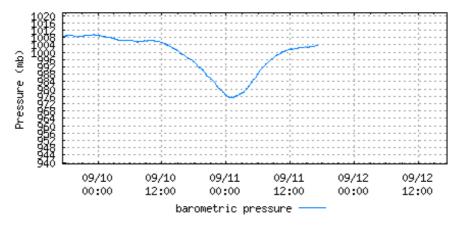
# NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

Wind Speed / Gusts / Direction 360 70 270 direction (true) 60 speed (knots) 50 180 40 30 90 20 10 09/12 09/12 09/10 09/10 09/11 00:00 00:00 12:00 12:00 00:00 12:00 speed --direction gusts -

Last Observed Sample: 09/11/2017 17:18 (EDT) Wind Speed: 14 knots Gusts: 23 knots Direction: 268° T

# NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

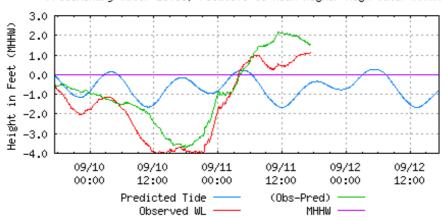
#### Barometric Pressure



Last Observed Sample: 09/11/2017 17:18 (EDT)
Barometric Pressure: 1003.6 mb

## NOAA/NOS/CO-OPS 8726384 Port Manatee, FL

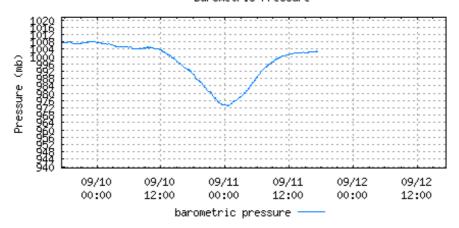
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: 1.10 ft. Predicted: -0.41 ft. Residual: 1.51 ft. Historical Maximum Water Level: Sep 6 2004, 2.29 ft. Next High Tide: 09/11/2017 18:31 (EDT), -0.34 ft.

# NOAA/NOS/CO-OPS 8726384 Port Manatee, FL

## Barometric Pressure

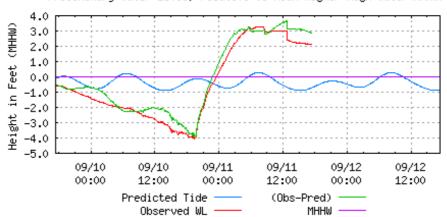


Last Observed Sample: 09/11/2017 17:24 (EDT)

Barometric Pressure: 1002.9 mb

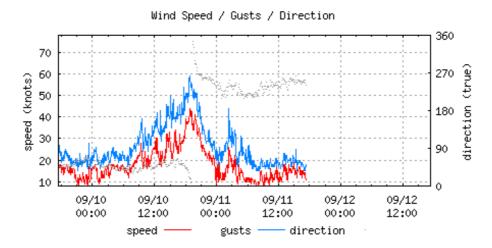
## NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: 2.14 ft. Predicted: -0.70 ft. Residual: 2.84 ft. Historical Maximum Water Level: Nov 23 1988, 3.41 ft. Next High Tide: 09/11/2017 21:16 (EDT), -0.27 ft.

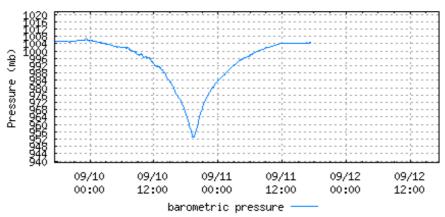
# NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 12 knots Gusts: 15 knots Direction: 256° T

# NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL

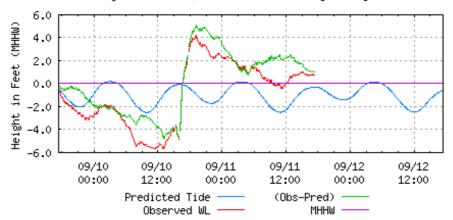
## Barometric Pressure



Last Observed Sample: 09/11/2017 17:30 (EDT)
Barometric Pressure: 1004.6 mb

## NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: 0.76 ft. Predicted: -0.29 ft. Residual: 1.05 ft. Historical Maximum Water Level: Dec 21 1972, 3.11 ft. Next High Tide: 09/12/2017 04:31 (EDT), 0.14 ft.

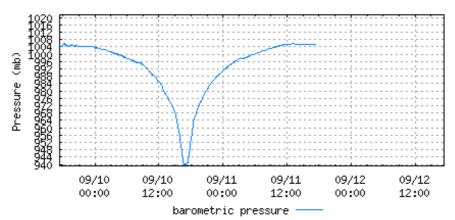
# NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

Wind Speed / Gusts / Direction 360 70 270 direction (true) 60 speed (knots) 50 180 40 30 90 20 09/12 09/12 09/11 09/11 00:00 00:00 12:00 12:00 12:00 00:00 speed -- direction gusts -

Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 16 knots Gusts: 21 knots Direction: 258° T

# NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

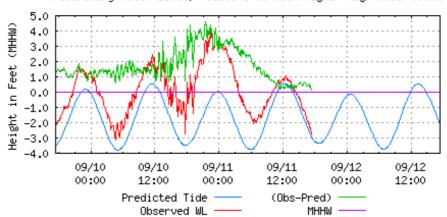
#### Barometric Pressure



Last Observed Sample: 09/11/2017 17:30 (EDT)
Barometric Pressure: 1005.4 mb

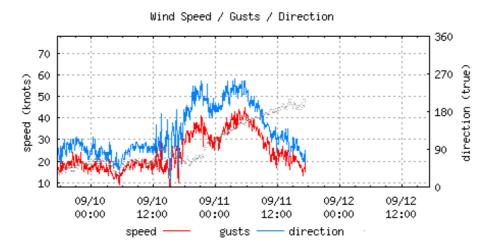
## NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: -2.67 ft. Predicted: -3.00 ft. Residual: 0.33 ft. Historical Maximum Water Level: Sep 26 2004, 4.01 ft. Next High Tide: 09/12/2017 00:37 (EDT), -0.13 ft.

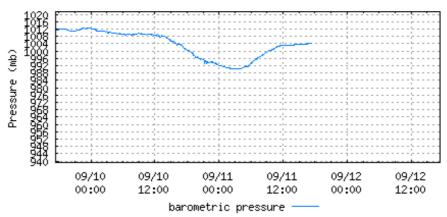
# NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 16 knots Gusts: 26 knots Direction: 206° T

## NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL

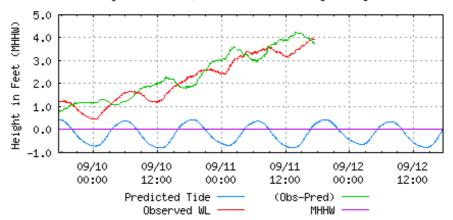
## Barometric Pressure



Last Observed Sample: 09/11/2017 17:30 (EDT)
Barometric Pressure: 1004.5 mb

## NOAA/NOS/CO-OPS 8720625 Racy Point, St Johns River, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)

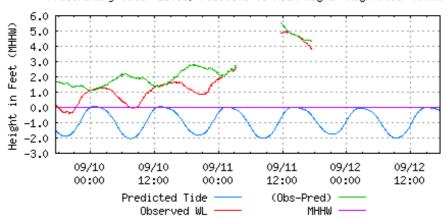


Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: 3.91 ft. Predicted: 0.23 ft. Residual: 3.68 ft.

Historical Maximum Water Level: n/a Next High Tide: 09/11/2017 19:27 (EDT), 0.43 ft.

# NOAA/NOS/CO-OPS 8720226 Southbank Riverwalk, St Johns River, FL

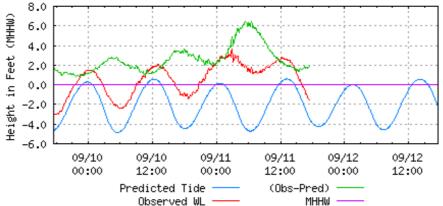
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:36 (EDT). Data relative to MHHW Observed: 3.80 ft. Predicted: -0.58 ft. Residual: 4.38 ft. Historical Maximum Water Level: Sep 27 2004, 3.44 ft. Next High Tide: 09/12/2017 02:32 (EDT), -0.05 ft.

## NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: -1.61 ft. Predicted: -3.49 ft. Residual: 1.88 ft. Historical Maximum Water Level: Oct 7 2016, 3.22 ft. Next High Tide: 09/12/2017 01:33 (EDT), 0.03 ft.

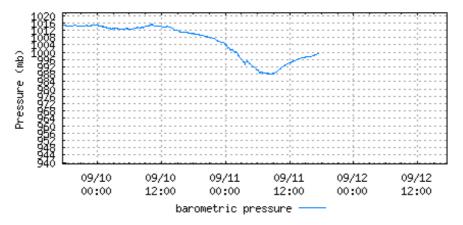
# NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

Wind Speed / Gusts / Direction 360 70 270 direction (true) 60 speed (knots) 50 180 40 30 90 20 10 09/10 09/12 09/12 09/10 09/11 00:00 00:00 12:00 12:00 12:00 00:00 speed gusts -direction

> Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 15 knots Gusts: 25 knots Direction: 204° T

# NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

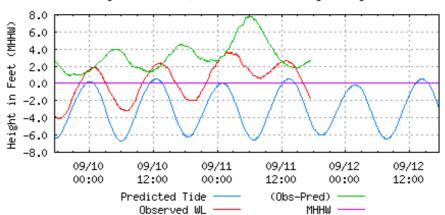
#### Barometric Pressure



Last Observed Sample: 09/11/2017 17:30 (EDT)
Barometric Pressure: 999.2 mb

## NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

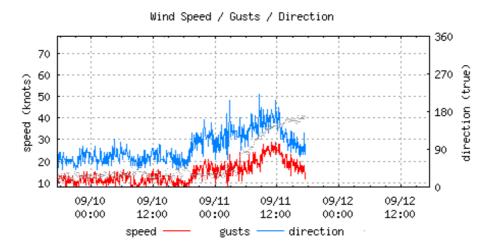
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:30 (EDT). Data relative to MHHW Observed: -1.86 ft. Predicted: -4.48 ft. Residual: 2.62 ft. Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 09/12/2017 01:47 (EDT), -0.16 ft.

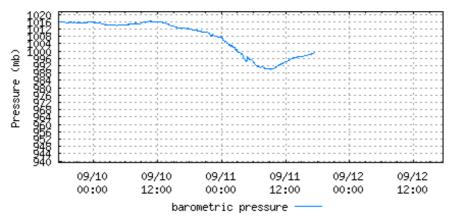
# NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 09/11/2017 17:30 (EDT) Wind Speed: 12 knots Gusts: 23 knots Direction: 168° T

# NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

## Barometric Pressure



Last Observed Sample: 09/11/2017 17:30 (EDT)
Barometric Pressure: 999.0 mb

## NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)

09/11

00:00

09/11

12:00

(Obs-Pred)

MHHW

09/12

00:00

09/12

12:00

09/10

00:00

09/10

12:00

Predicted Tide Observed WL

Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: -1.38 ft. Predicted: -5.50 ft. Residual: 4.12 ft. Historical Maximum Water Level: Oct 15 1947, 3.40 ft. Next High Tide: 09/12/2017 01:06 (EDT), -0.32 ft.

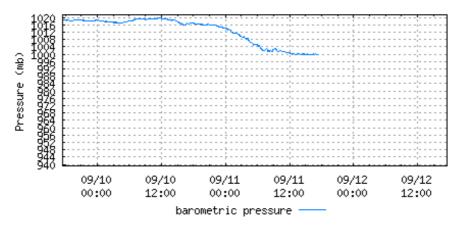
# NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Wind Speed / Gusts / Direction 360 70 270 direction (true) 60 speed (knots) 50 180 40 30 90 20 10 09/10 09/12 09/12 09/10 09/11 09/11 00:00 00:00 12:00 12:00 12:00 00:00 speed -- direction gusts

> Last Observed Sample: 09/11/2017 17:24 (EDT) Wind Speed: 17 knots Gusts: 25 knots Direction: 143° T

# NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

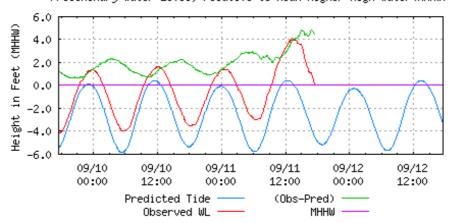
Barometric Pressure



Last Observed Sample: 09/11/2017 17:24 (EDT)
Barometric Pressure: 999.9 mb

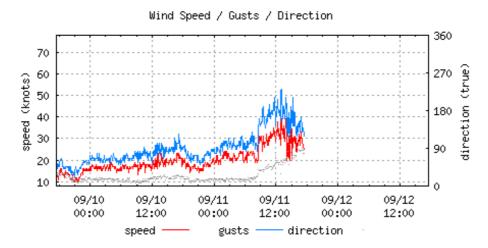
## NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: 0.13 ft. Predicted: -4.40 ft. Residual: 4.53 ft. Historical Maximum Water Level: Sep 21 1989, 6.76 ft. Next High Tide: 09/12/2017 00:50 (EDT), -0.26 ft.

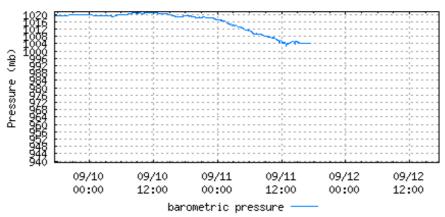
# NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/11/2017 17:24 (EDT) Wind Speed: 25 knots Gusts: 31 knots Direction: 78° T

# NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC

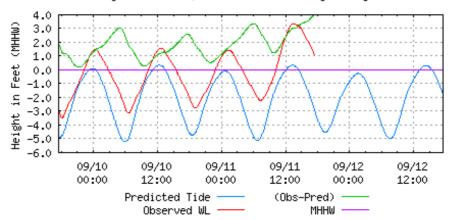
#### Barometric Pressure



Last Observed Sample: 09/11/2017 17:24 (EDT)
Barometric Pressure: 1004.0 mb

## NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC

Preliminary Water Level, relative to Mean Higher High Water(MHHW)

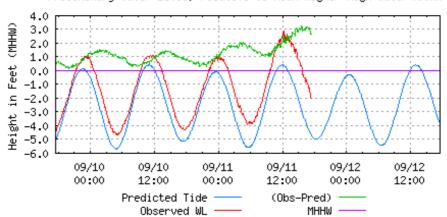


Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: 1.13 ft. Predicted: -2.87 ft. Residual: 4.00 ft. Historical Maximum Water Level: Oct 8 2016, 4.64 ft.

Next High Tide: 09/12/2017 01:38 (EDT), -0.26 ft.

# NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 17:24 (EDT). Data relative to MHHW Observed: -2.01 ft. Predicted: -4.68 ft. Residual: 2.67 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. Next High Tide: 09/12/2017 00:29 (EDT), -0.30 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8729210	Panama City Beach, FL	09/11/2017 16:30 (CDT)	-1.83 ft	-0.46 ft	-1.37 ft	-0.80 ft
8728690	Apalachicola, FL	09/11/2017 17:24 (EDT)	-2.62 ft	-0.83 ft	-1.79 ft	-2.22 ft
8727520	Cedar Key, FL	09/11/2017 17:30 (EDT)	0.55 ft	-0.69 ft	1.24 ft	0.55 ft
8726724	Clearwater Beach, FL	09/11/2017 17:24 (EDT)	0.47 ft	-0.52 ft	0.99 ft	0.86 ft
8726667	Mckay Bay Entrance, FL	09/11/2017 17:24 (EDT)	1.40 ft	-0.70 ft	2.10 ft	1.74 ft
8726607	Old Port Tampa, FL	09/11/2017 17:30 (EDT)	1.17 ft	-0.78 ft	1.95 ft	1.18 ft
8726520	St Petersburg, Tampa Bay, FL	09/11/2017 17:18 (EDT)	1.05 ft	-0.66 ft	1.71 ft	1.05 ft
8726384	Port Manatee, FL	09/11/2017 17:24 (EDT)	1.10 ft	-0.41 ft	1.51 ft	1.12 ft
8725520	Fort Myers, Caloosahatchee River, FL	09/11/2017 17:30 (EDT)	2.14 ft	-0.70 ft	2.84 ft	3.28 ft
8725110	Naples, Gulf of Mexico, FL	09/11/2017 17:30 (EDT)	0.76 ft	-0.29 ft	1.05 ft	4.24 ft
8721604	Trident Pier, Port Canaveral, FL	09/11/2017 17:30 (EDT)	-2.67 ft	-3.00 ft	0.33 ft	4.18 ft
8720625	Racy Point, St Johns River, FL	09/11/2017 17:30 (EDT)	3.91 ft	0.23 ft	3.68 ft	3.96 ft
8720226	Southbank Riverwalk, St Johns River, FL	09/11/2017 17:36 (EDT)	3.80 ft	-0.58 ft	4.38 ft	4.94 ft
8720218	Mayport (Bar Pilots Dock), FL	09/11/2017 17:30 (EDT)	-1.61 ft	-3.49 ft	1.88 ft	3.62 ft
8720030	Fernandina Beach, FL	09/11/2017 17:30 (EDT)	-1.86 ft	-4.48 ft	2.62 ft	3.60 ft
8670870	Fort Pulaski, GA	09/11/2017 17:24 (EDT)	-1.38 ft	-5.50 ft	4.12 ft	4.74 ft
8665530	Charleston, Cooper River Entrance, SC	09/11/2017 17:24 (EDT)	0.13 ft	-4.40 ft	4.53 ft	4.16 ft
8662245	Oyster Landing (N Inlet Estuary), SC	09/11/2017 17:24 (EDT)	1.13 ft	-2.87 ft	4.00 ft	3.35 ft
8661070	Springmaid Pier, SC	09/11/2017 17:24 (EDT)	-2.01 ft	-4.68 ft	2.67 ft	2.87 ft

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